

# DOCTOR OF PHILOSOPHY

## FIELD OF RESEARCH: GAS ENGINEERING

### PROGRAMME SPECIFICATIONS

The Doctor of Philosophy Field of Research: Gas Engineering (PKPG) is offered on a full-time basis. The duration of study is in between minimum of three (3) years to a maximum of eight (8) years.

The assessment of the research program is based on the progress report, supervisor's evaluation, research proposal and viva.

#### General Information

1. Awarding Institution	Universiti Teknologi Malaysia		
2. Teaching Institution	Universiti Teknologi Malaysia		
3. Programme Name	Doctor of Philosophy		
4. Final Award	Doctor of Philosophy Field of research: Gas Engineering		
5. Programme Code	PKPG		
6. Professional or Statutory Body of Accreditation	MQA		
7. Language(s) of Instruction	English		
8. Mode of Study (Conventional, distance learning, etc)	Research		
9. Mode of operation (Franchise, self-govern, etc)	Self-governing		
10. Study Scheme (Full Time/Part Time)	Full Time		
11. Study Duration	Minimum : 3 years Maximum : 8 years		
Type of Semester	No. of Semesters		No of Weeks/Semester
	Min	Max	
Normal	6	16	14
Short	-		-

### Course Classification

No.	Classification	Credit Hours	Percentage
i.	University Elective (1 course)	3	
ii.	Research Methodology	HW	
iii.	Research (Minimum 6 semesters)	0	
iv	Thesis	0	
	<b>Total</b>	<b>3</b>	

### Programme Educational Objectives (PEO)

1. Graduates effectively incorporate the in-depth scholarship of gas engineering knowledge, research and problem solving skills to formulation and solution of diverse gas engineering problems taking into account safety, environmental, economic and societal impacts.
2. Graduates communicate effectively to convey and acquire technical ideas, information, and recommendations in a multi-disciplinary environment.
3. Graduates responsibly practice professional ethics with appreciation for the value of continuing professional development in maintaining their professional competence.

### Programme Learning Outcomes (PLO)

1. Able to demonstrate an in-depth scholarship of their area of research in gas engineering.
2. Able to contribute to original research to broaden the boundary of knowledge in gas engineering through thesis or dissertation
3. Able to make critical analysis, evaluation and synthesis of new ideas in research problems related to gas engineering
4. Able to plan and perform independent research undertakings professionally, ethically and responsibly, and to lead research projects
5. Able to report research findings to peers at levels suitable for international publications
6. Able to recognize the needs for continuing professional development

### GRADUATION CHECKLIST

To graduate, students must pass all the stated courses and assessment in this checklist. It is the responsibility of the students to ensure that all courses and assessment are taken and passed. Students who do not complete any of the assessment are not allowed to graduate.

NO.	CODE	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (√) IF PASSED
<b>SCHOOL OF CHEMICAL &amp; ENERGY ENGINEERING COURSES</b>					
1	UXXX XXX3	University Elective (1 course)			
2	UKKP 0010	Research Methodology			
3	PKPG XX00	Research (Minimum 2 semesters)			
4		Thesis			
5		Publication (minimum one (1) refereed article or two (2) indexed conference proceedings accepted as published in SCOPUS/ERA/WOS)			